Massachusetts Health Care Quality and Cost Information: Technical Report Hip Fracture Mortality, FY04

All Massachusetts Hospitals Anna Jaques Hospital Athol Memorial Hospital Baystate Medical Center Berkshire Medical Center BI Deaconess Hospital — Needham BI Deaconess Medical Center Boston Medical Center Brigham and Women's Hospital	58 20 268 135 45	70tal Deaths 214 0 1 5	Observed Rate 3.11 0.00	Risk-adjusted rate 3.09	Confidence Interval	Upper Confidence Interval	Statistical Significance	Days in Hospital
Anna Jaques Hospital Athol Memorial Hospital Baystate Medical Center Berkshire Medical Center BI Deaconess Hospital — Needham BI Deaconess Medical Center Boston Medical Center Brigham and Women's Hospital Brockton Hospital Cambridge H.A.— Cambridge Campus	58 20 268 135 45	0 1 5	' '				i	1
Athol Memorial Hospital Baystate Medical Center Berkshire Medical Center BI Deaconess Hospital — Needham BI Deaconess Medical Center Boston Medical Center Brigham and Women's Hospital Brockton Hospital Cambridge H.A.— Cambridge Campus	20 268 135 45	1 5	0.00	0.00				
Baystate Medical Center Berkshire Medical Center BI Deaconess Hospital — Needham BI Deaconess Medical Center Boston Medical Center Brigham and Women's Hospital Brockton Hospital Cambridge H.A.— Cambridge Campus	268 135 45	5		0.00	-4.10	4.10	**	6
Berkshire Medical Center BI Deaconess Hospital — Needham BI Deaconess Medical Center Boston Medical Center Brigham and Women's Hospital Brockton Hospital Cambridge H.A.— Cambridge Campus	135 45		1					
BI Deaconess Hospital — Needham BI Deaconess Medical Center Boston Medical Center Brigham and Women's Hospital Brockton Hospital Cambridge H.A.— Cambridge Campus	45		1.87	0.50	-1.41	2.41	***	7
BI Deaconess Medical Center Boston Medical Center Brigham and Women's Hospital Brockton Hospital Cambridge H.A.— Cambridge Campus	-	5	3.70	3.91	1.22	6.60	**	6
Boston Medical Center Brigham and Women's Hospital Brockton Hospital Cambridge H.A.— Cambridge Campus		1	2.22	2.48	-2.17	7.14	**	6
Brigham and Women's Hospital Brockton Hospital Cambridge H.A.— Cambridge Campus	156	7	4.49	0.56	-1.94	3.06	***	7
Brockton Hospital Cambridge H.A.— Cambridge Campus	100	5	5.00	3.90	0.78	7.03	**	9
Cambridge H.A.— Cambridge Campus	147	4	2.72	2.54	-0.03	5.12	**	7
	114	6	5.26	3.74	0.81	6.66	**	6
Cambridge H.A. — Somerville Campus	36	2	5.56	5.35	0.15	10.56	**	7
	26	0						
Cambridge H.A. — Whidden Memorial Campus	61	2	3.28	2.41	-1.59	6.41	**	6
Cape Cod Hospital	289	10	3.46	4.37	2.53	6.21	**	5
Caritas Carney Hospital	64	5	7.81	5.29	1.39	9.19	**	8
Caritas Good Samaritan Medical Center	100	2	2.00	2.68	-0.45	5.80	**	6
Caritas Holy Family Hospital	109	2	1.83	1.96	-1.03	4.95	**	7
Caritas Norwood Hospital	159	4	2.52	3.13	0.65	5.60	**	8
Caritas St. Elizabeth's Medical Center	134	2	1.49	1.09	-1.61	3.78	**	7
Clinton Hospital	0							
Cooley Dickinson Hospital	93	1	1.08	2.86	-0.38	6.09	**	5
Emerson Hospital	91	3	3.30	4.19	0.92	7.47	**	6
Fairview Hospital	18	2						
Falmouth Hospital	86	1	1.16	0.43	-2.94	3.80	**	5
Faulkner Hospital	88	4	4.55	5.02	1.69	8.35	**	6
Franklin Medical Center	66	2	3.03	3.66	-0.18	7.50	**	5
Hallmark H.S. — Lawrence Memorial Campus	74	2	2.70	3.50	-0.13	7.13	**	6
Hallmark H.S. — Melrose-Wakefield Campus	116	4	3.45	3.80	0.90	6.70	**	7
Harrington Memorial Hospital	34	1	2.94	4.67	-0.69	10.03	**	6
	103	0	0.00	0.90	-2.17	3.98	**	5
Heywood Hospital	47	3	6.38	5.53	0.98	10.09	**	6
Holyoke Medical Center	97	4	4.12	4.07	0.90	7.24	**	6
Hubbard Regional Hospital	26	1						
	119	8	6.72	7.01	4.15	9.88	*	6
Lahey Clinic — Burlington Campus	159	3	1.89	2.30	-0.18	4.78	**	6
Lawrence General Hospital	80	0	0.00	1.54	-1.95	5.03	**	7
Lowell General Hospital	77	3	3.90	5.20	1.64	8.76	**	5

Notes

Source: DHCFP Hospital Discharge Data and 403 Hospital Cost Report

Rates not calculated for hospitals with fewer than 30 cases. CMI (Case-mix Index): No statistical variation across hospitals.

Legend: \$ Hospitals with lowest 25% of costs

\$\$ Hospitals in middle 50% of costs \$\$\$ Hospitals with highest 25% of costs ★ Mortality significantly higher than s

★★ Mortality as expected

*** Mortality significantly lower than sta

Massachusetts Health Care Quality and Cost Information: Technical Report **Hip Fracture Mortality, FY04**

Name			
Marlborough Hospital 59 2 3.39 4.43 0.36 Martha's Vineyard Hospital 20 0 0 0 Mary Lane Hospital 19 0 0 0 Massachusestts General Hospital 219 18 8.22 7.18 5.06 Merry Medical Center 164 4 2.44 1.85 -0.59 Merrimack Valley Hospital 63 0 0.00 0.00 -3.94 MetroWest M.C. — Framingham 115 2 1.74 2.33 -0.59 MetroWest M.C. — Leonard Morse 62 2 3.23 4.08 0.12 Milford Regional Medical Center 90 5 5.56 4.27 0.98 Milton Hospital 57 1 1.75 2.22 -1.91 Morton Hospital 76 0 0.00 1.88 -1.70 Mount Auburn Hospital 171 5 2.92 3.50 1.11 Nashoba Valley Medical Center 39 1	pper Confidence Interval	Statistical Significance	Days in Hospital
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Morton Hospital 76 0 0.00 1.88 -1.70 Mount Auburn Hospital 171 5 2.92 3.50 1.11 Nashoba Valley Medical Center 39 1 2.56 2.81 -2.19 New England Baptist Hospital 51 1 1.96 1.84 -2.54 Newton-Wellesley Hospital 150 2 1.33 0.87 -1.68 Noble Hospital 43 2 4.65 5.46 0.70 North Adams Regional Hospital 46 2 4.35 5.78 1.17 North Shore M.C. — Salem Campus 150 3 2.00 2.44 -0.11 North Shore M.C. — Union Campus 88 3 3.41 3.06 -0.27 Northeast H.S. — Addison Gilbert Campus 30 0 0.00 1.09 -4.62 Northeast H.S. — Beverly Campus 137 3 2.19 2.35 -0.31 Quincy Medical Center 131 6 4.58 3.17 0.44	7.56	**	6
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Southcoast H.G. — St. Luke's Campus 175 8 4.57 5.17 2.80	4.51	**	5
	5.12	**	6
	7.53	**	7
Southcoast H.G. — Tobey Hospital Campus 45 3 6.67 6.09 1.44	10.75	**	5
Sturdy Memorial Hospital 82 2 2.44 2.92 -0.53	6.37	**	6
Tufts-NEMC 52 5 9.62 8.61 4.28	12.94	*	6
UMass Memorial Medical Center 240 6 2.50 3.61 1.59	5.63	**	5
Winchester Hospital 116 3 2.59 3.59 0.69	6.49	**	5
Wing Memorial Hospital 24 1			

Source: DHCFP Hospital Discharge Data and 403 Hospital Cost Report Rates not calculated for hospitals with fewer than 30 cases.

CMI (Case-mix Index): No statistical variation across hospitals.

Legend: \$

Hospitals with lowest 25% of costs Hospitals in middle 50% of costs \$\$\$ Hospitals with highest 25% of costs Mortality significantly higher than s

Mortality as expected

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\$	< \$8,481
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